OIPE JC109 APR 03 2003 PATENT & TRADEMARK OFFICE

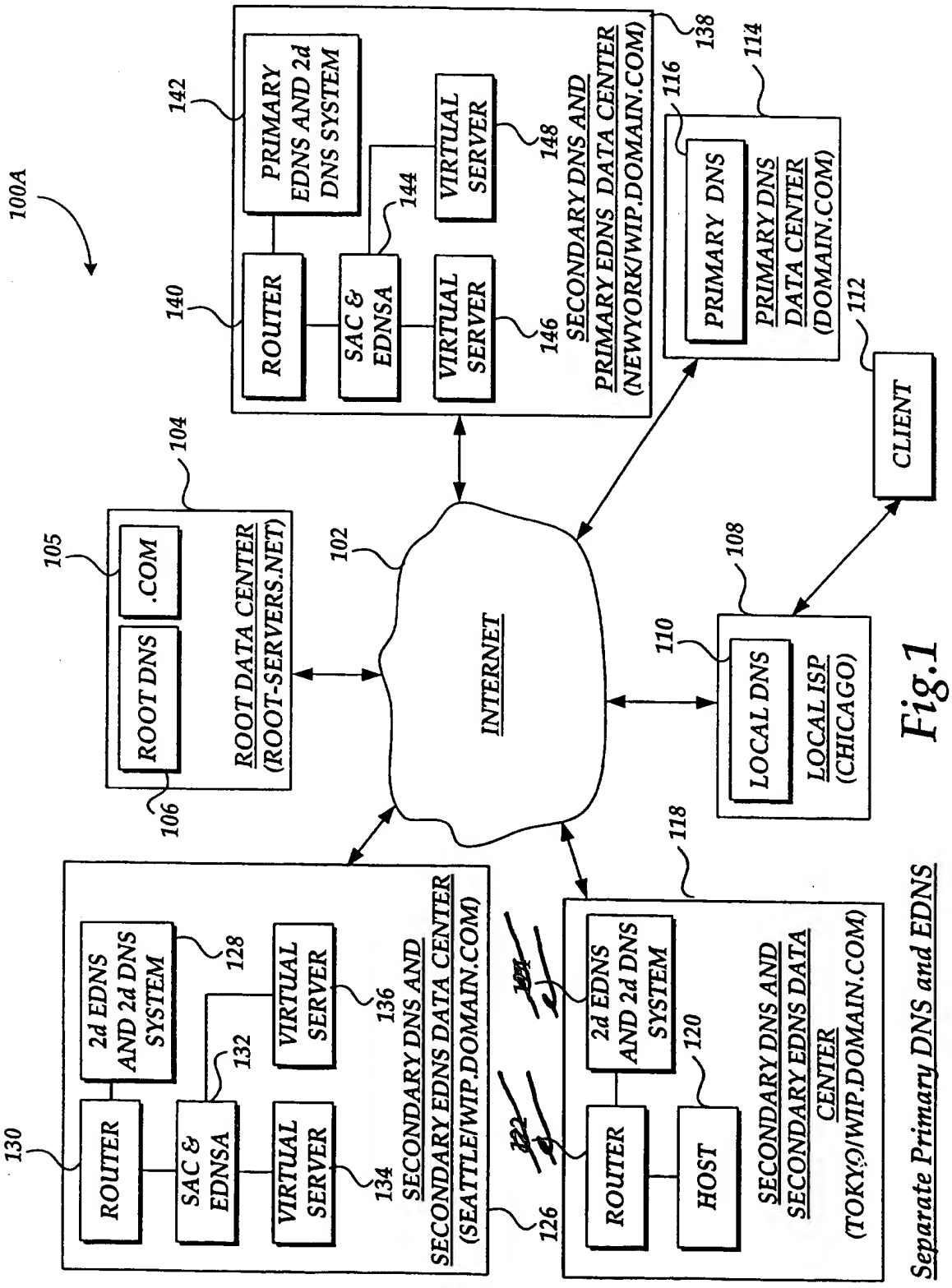

Fig.1

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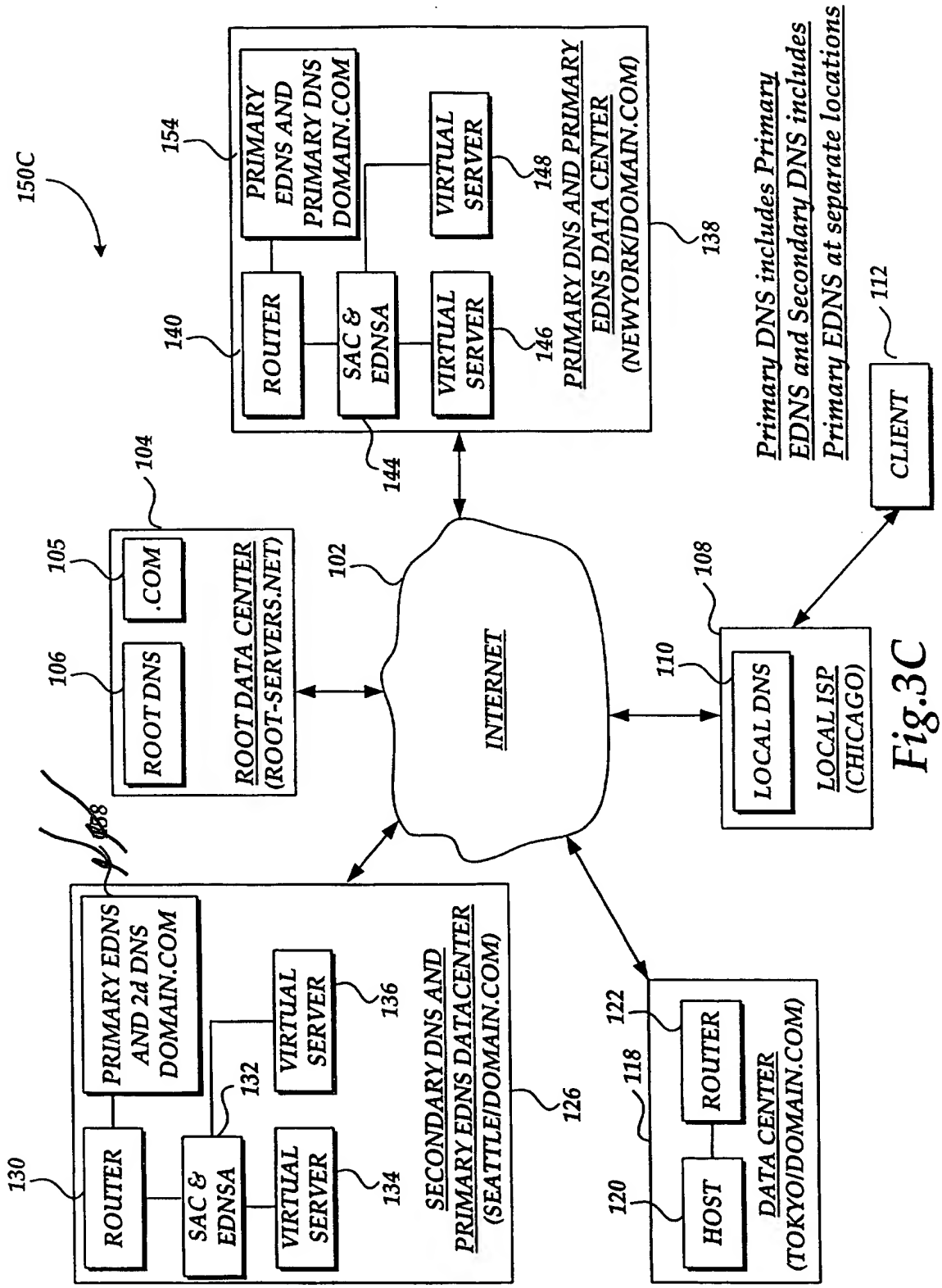

Fig.3C

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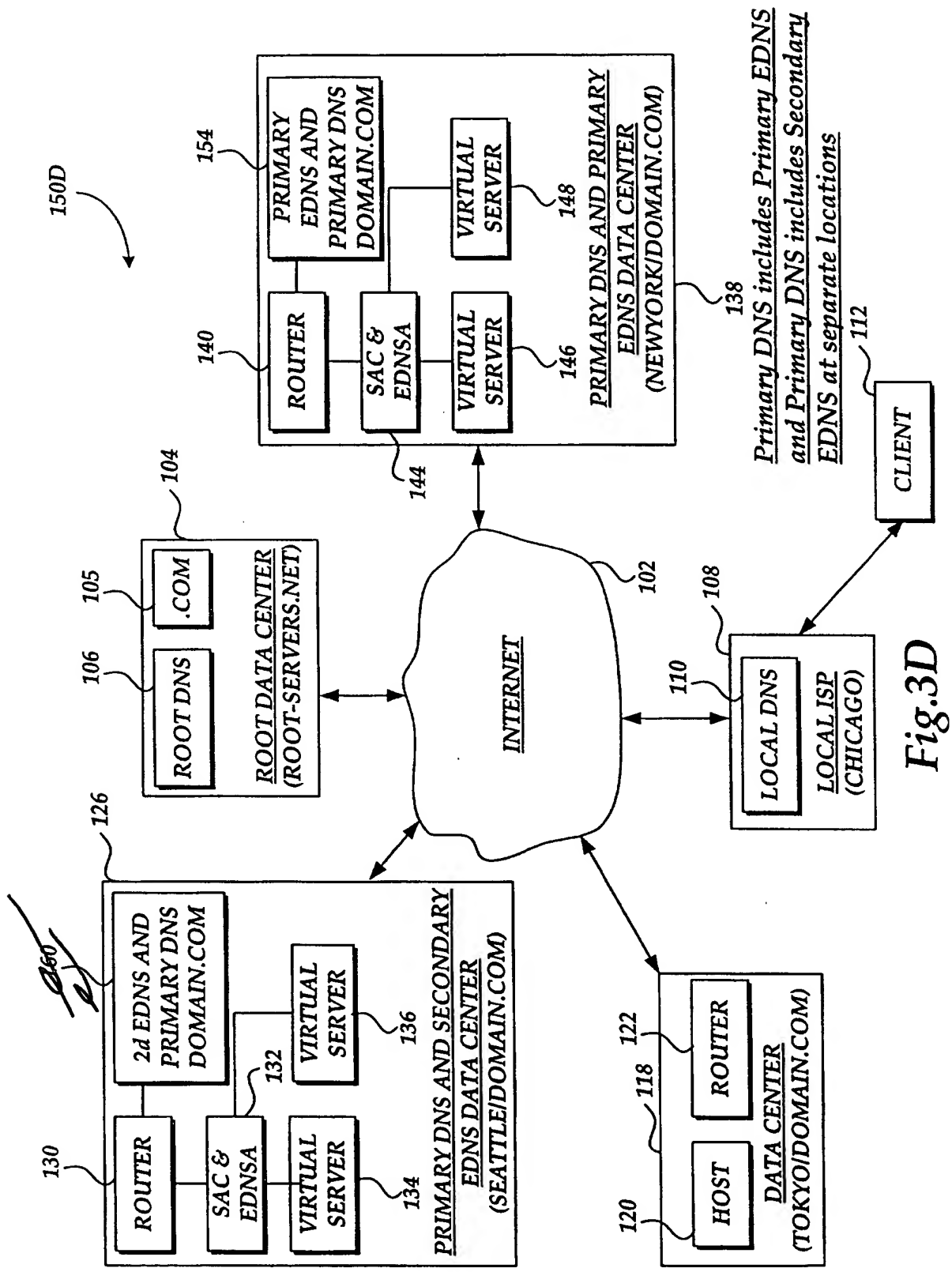

Fig.3D

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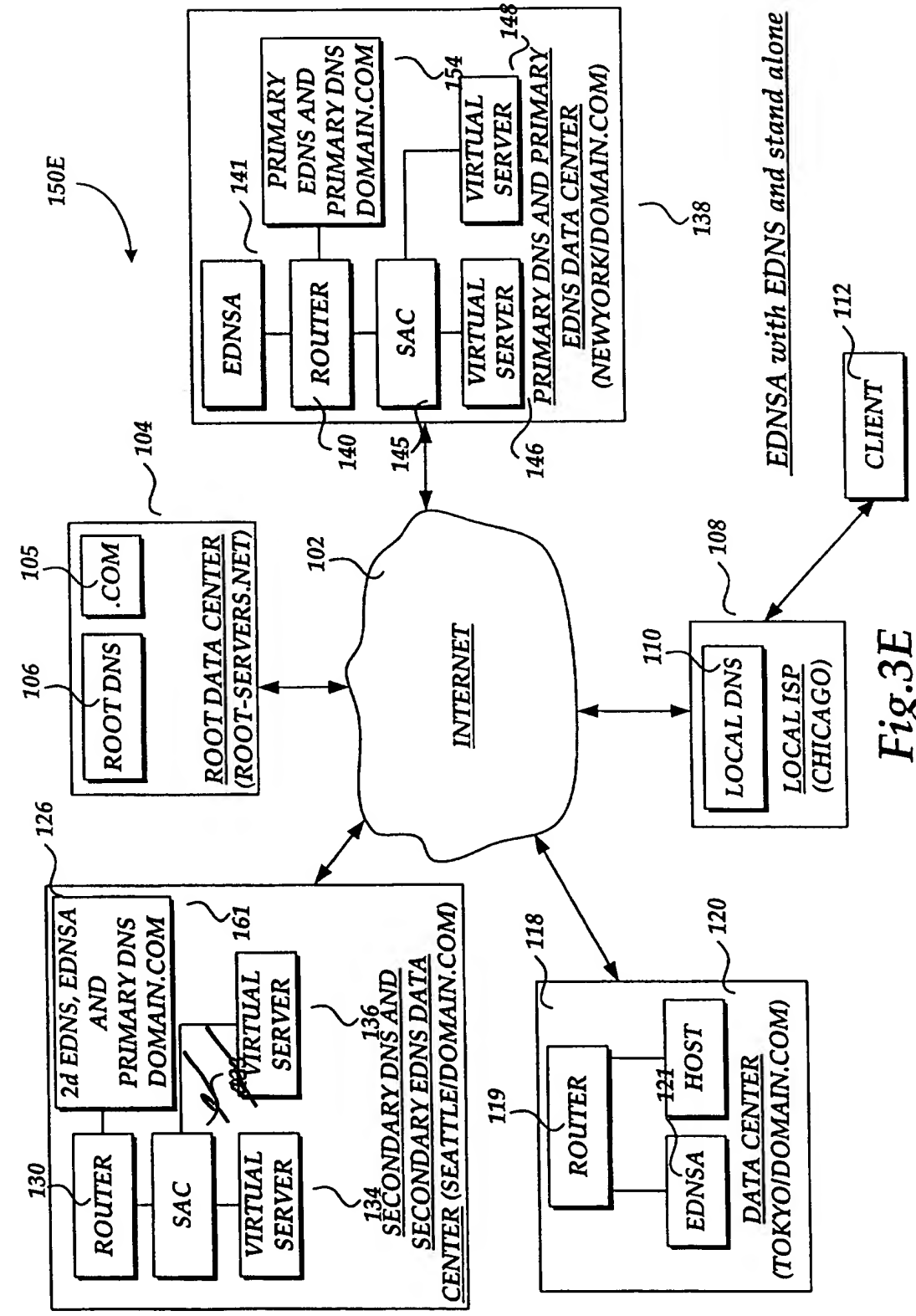

Fig.3E

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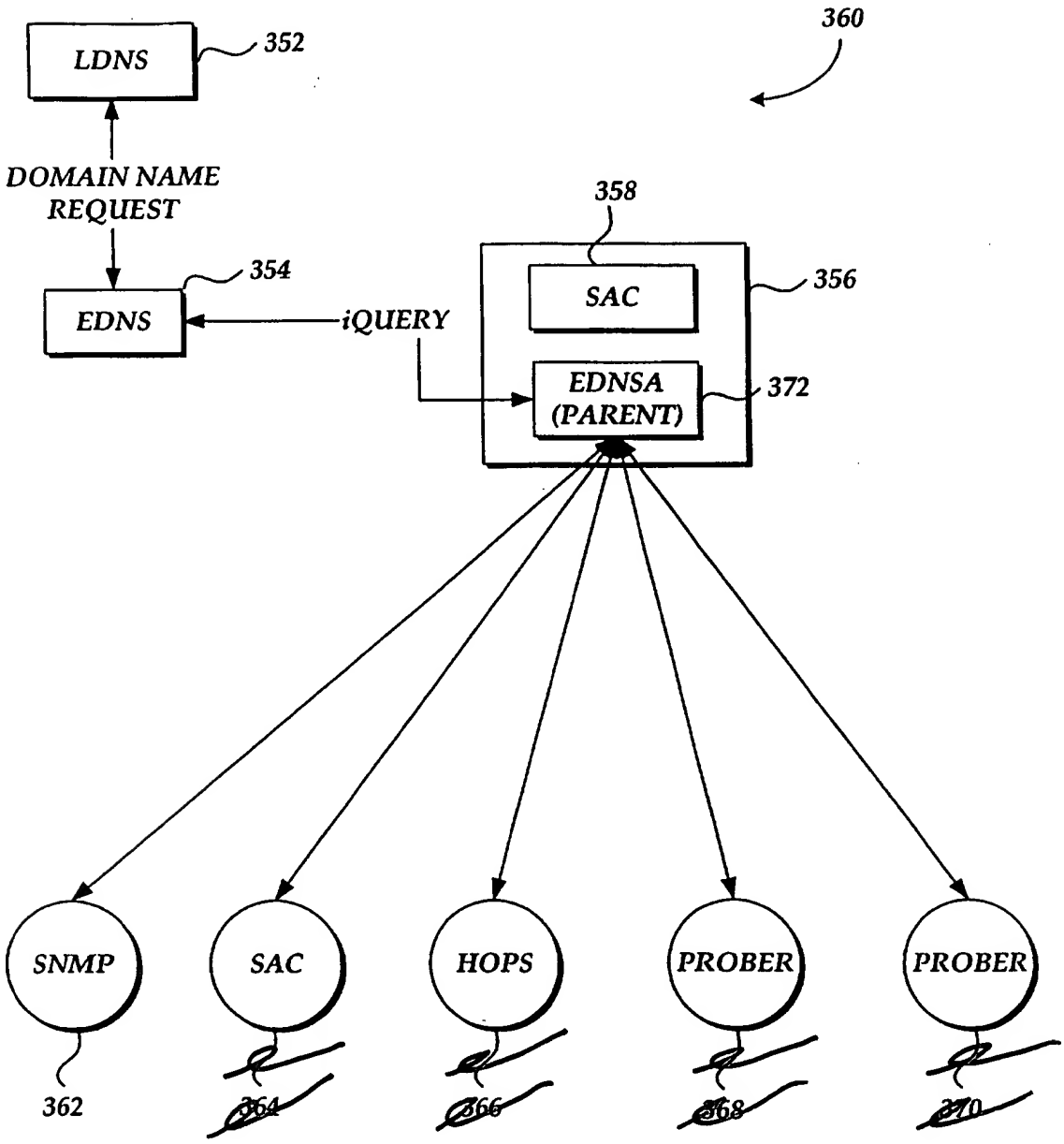

Fig.12

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```
TOPOLOGY {
   ACL_THRESHOLD   1
   LIMIT_PROBES    YES
   LONGEST_MATCH   YES
   // SERVER/MASK (BIG/IP)        LDNS/MASK          SOURCE

   // NORTH AMERICA DOESN'T GO TO THE SOUTH AMERICA DATA CENTER

      200.107.34.0/24             198.0.0.0/8        0
      200.107.34.0/24             199.0.0.0/8        0

   // SOUTH AMERICA DOESN'T GO TO THE NORTH AMERICA DATA CENTER

      199.5.23.0/24               200.0.0.0/8        0
      199.5.23.0/24               201.0.0.0/8        0

}
```

Fig.13

376

```
TOPOLOGY SCORE {
   // SERVER/MASK (BIG/IP)        LDNS/MASK          SCORE
   /*** NY Office ***/

      /* NY Office --> NJ (high score) */
      209.67.0.0/16               207.25.53.0/24     100

   /*** Brazil ***/

      /* Brazil --> Brazil (high score) */
      200.211.0.0/16              200.255.0.0/16     100

      /* Brazil --> Argentina (low score) */
      63.65.0.0/16                200.255.0.0/16     5

      /* Brazil --> New Jersey (low score) */
      209.67.0.0/16               200.255.0.0/16     5

      /* Brazil --> New York (low score) */
      167.216.0.0/16              200.255.0.0/16     5

}
```

Fig.14

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